Setting up a Quiz Style Survey in Limesurvey

The following instructions will show how to set up a quiz –style survey in Limesurvey. In this scenario, we had these requirements:

1. Assigned numeric weighted values to each answer, which will be totaled at the end to give an overall score. This was used enabling Assessment mode in Limesurvey
2. Incremental feedback is given after each question to let the user know whether the question was answered correctly/incorrectly.
3. Screens were also presented to the user where they would read through some information (for example, a link to a pdf file, web page), close out, then come back to the quiz to answer a series of questions.
4. A customized email was sent to the quiz participant at the end, including quiz score.

1. Set up a new survey

General documentation on the basics of setting up a survey (creating a survey, creating question group, creating questions, etc.) below:

http://dmd.mo.gov/knowledgebase/question/246

2. How to set up the Description/Welcome Message on the first survey page and the end message on the final page.

Go to survey properties – edit text elements

3. Change "Show Group name and/or group description"

Survey properties – general settings – presentation & navigation

Show Group name and/or group description – set to "Hide both" – we do not need to show group names for the quiz style layout.

4. Enabling Assessments in Limesurvey

(this mode allows you to assign numeric values to your question responses)
General Settings- Notification and Data Management - Enable assessment mode? Yes

5. How to set up giving feedback after each question

In order to give feedback on the next screen after each question, you'll need to change the following setting here:

Survey properties - Presentations & Navigation – format – question by question

(If you don't need immediate feedback, you can skip above setting)

1. How to assign numeric values to your answers

I set up a question group called "Christmas becoming a federal holiday"

I have a question within it called "When did Christmas become a federal holiday?"

I made it a list (radio) question type, then selected my "edit answer options for this question".

Here is where you assign your assessment values (in this example, 0 for the wrong answer, 1 for the correct)

English (Base language)

	Code	Assessment value	Answer option	Actions
☰	A1	1	1845	🖉 ➕ 🗑
☰	A2	0	1870	🖉 ➕ 🗑

Predefined label sets...   Quick add...   Save as label set

Save changes

2. Setting the condition

Next, create a *new* question group to place your correct/incorrect responses.

Create a new question, here's an example

Code: fedholiday1845
Answer: That is correct. Christmas became a federal holiday in 1845.
Question text: Text Display (since this one is not set up like an actual question, just displaying text)

Now select "set conditions for this question"

Set conditions for this question

xmasfedholiday: When did Christmas become a federal holiday? (qid1147)   equals   1845 (A1)   🗑 🖉

Add condition

⊕ **Scenario**   Default scenario

Question   **Previous questions**   **Token fields**

email: What is your email address?
Color: My Favorite color is:
Food: Of these choices, my favorite food is:
xmas: Is Christmas in December?
xmasfedholiday: When did Christmas become a federal holiday?

Comparison operator   equals ▾

Answer   **Predefined**   **Constant**   **Questions**   **Token fields**   RegExp

1845
1870

Predefined answer options for this question

Choose the original question you set up, select "equals", and then select "1845"

Question type: Text display – Cannot be changed (survey is active)
Question group: When Did Christmas Become a Federal Holiday? – Cannot be changed (survey is active)
Relevance equation: ((574447X237X1147.NAOK == "A1"))

Show advanced settings

Save   Save and close

You will now notice coding was added under "Relevance equation" to reflect the condition.

Repeat the same steps and add a new question to that question group only showing that if 1870 is picked, that is the incorrect answer.

6. How to set up a quiz page without a question on it

First, why might you need something like this? For example, you want someone to click through to a web page or a pdf file and read it or read some sort of summary text, then they'll proceed to a series of questions.

First create your question group and then create your question. Set the question code, add your text to the question area. If you include links where they will switch to another web page, set your link target to "_blank" so that it will open to a new window.

Set your question type to "Display text"

7. How to submit quiz score via email to your quiz participant and store score in database.

First, go to Survey Properties – Assessments. We will be setting up the quiz total.

Select Total and then set the numerical range total for your quiz (you will need to calculate the lowest and highest possible score range here for your quiz) You do not need to set the heading/message field. This value will be used to display/store the quiz total in the database.
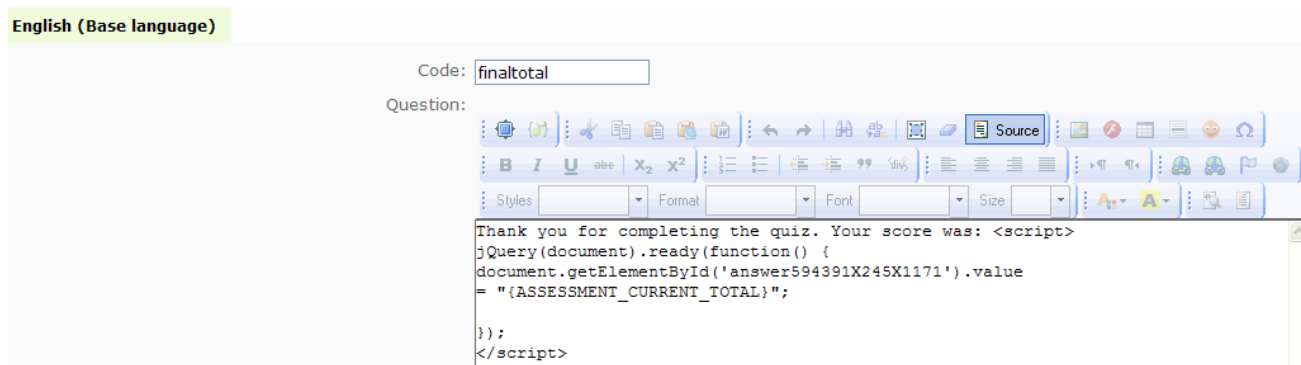

8. Adding a Final Quiz Total at the end of your quiz

Next, add a final total field to the end of your last question group of the entire quiz (for some reason, I couldn't get it to work properly if I added it as a separate question group/question at the end).

Name the field and set the question type to "numerical input", then select the "source" button in the menu of your question field and paste in the following:
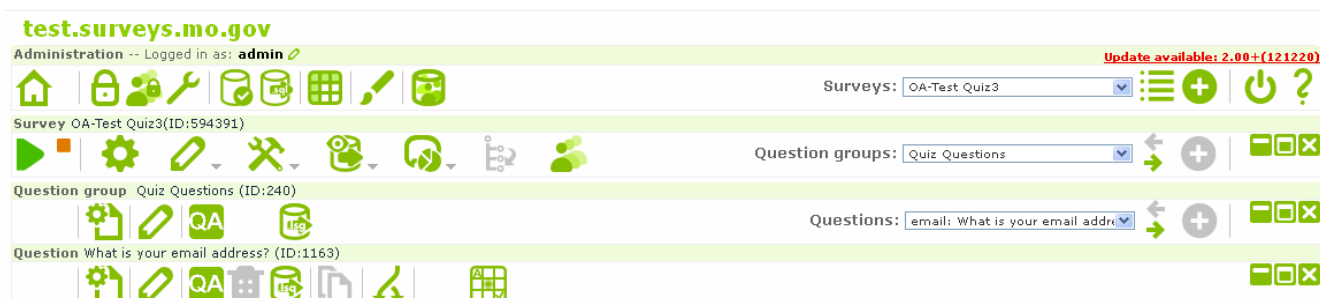
Thank you for completing the quiz. Your score was:
<script> jQuery(document).ready(function() {document.getElementById('answer**594391X245X1171**').value = "{ASSESSMENT_CURRENT_TOTAL}";
});</script>

This sets the next to final page as a customized message of your overall quiz score. Customize this as you need to, but the important part is to customize the answer portion I have above in bolded red to match for your survey/question group/question id for your 'finaltotal' question. You will see these numbers displayed at the end of each line in parentheses for your 'survey' heading, your 'question group' heading and your 'question' heading. Note that each of these are separated by a capital X.

You will also need to make sure you create a mandatory question type at the beginning of your quiz to capture the participant's email address. Once you do that, make note of your survey id (594391), question group id (240), and then question id (1163) for your email address question (in my example below). Note that the survey id, question group id and question id are separated with a capital X.

9. Setting up the email address/email message so that the participant is emailed the quiz score

Next, you will need to go to Survey Properties – General Settings – Notifications & Data Management

Under "send detailed admin notification email to", enter
{INSERTANS: 594391X240X1163}

Note that you place a capital X in between your survey, question group and question id. This will pick up the email question you set up at the beginning of your survey and send the custom message to them.

Next, create the customized email message you send to your quiz participant. Go to survey properties – email template – detailed admin notification

Here you can customize the subject line and message as much as you want. In this example, it will display the survey name in the subject line, and then include a simple message about the quiz participants overall score.

The {finaltotal} value was pulled from the question you set up in step 8 (the question code).